

PRINTED CIRCUIT BOARD (MODULE / TRANSITION MODULE) REVIEW CHECKLIST

Module Name: _____ Master Clock Controller	Information Included						Comments
Transition Module Name: _____	Module			Transition Module			
	YES	NO	N/A	YES	NO	N/A	
General							
Overall Module/Transition Module description of operation and I/O & control							
Schematics	X						
Connector types	X						
General protocol timing diagrams		X					
Pinouts	X						
Module has associated Transition Module		X					
Mechanical							
Any special subrack requirements		X					
PC board							
Mechanical drawings		X					
Board thickness & top, bottom edge milling to 0.062 inch	X						
Stiffeners	X						
Warpage		X					
Chamfers		X					
Clearances checked (both sides)	X						
Non-circuitry areas							
Connector types							
Specials		X					
ESD protection							
Strip (w/o soldermask over it)		X					
ESD discharge resistors		X					
Front panel							
Module / Transition Module has front panel	X						
Injector / ejector / locking handles w / lock washers or liquid threadlock	X						
Center support w / lock washer or liquid threadlock	X						
LEDs, test points & labeling	X						
Connected to board circuitry	X						
Isolated connectors (cable shield connections & terminations)							
Transition card J2 connector (or shell for alignment)							
Keying							
Any special keying requirements		X					
Test & repair							
Extenders							
List of standard & special connectors		X					
Special hardware		X					
Test fixtures	X						
Open side subrack		X					
Electrical							
Any special subrack requirements		X					
Power requirements							

Power pins used	X						
Voltages & currents (module only)	X						
If very low currents (e.g., +12 V supply) why not DC-DC converters?	X						
Power to Transition Module (how?)		X					
Overcurrent (fuses) & overvoltage (transzors) protected	X						
I/O connector types, pinouts, inputs / outputs & signal levels (technology)							
Front panel	X						
Rear (front) panel							
J3 backplane area	X						
Cable shrouds & latches	X						
Cable shield connections	X						
Power							
Power density	X						
Power distribution	X						
Air Flow							
Blockage	X						
Diverter for hot spots	X						